

SN 09/848,823

Docket No S-94,613

In Response to Office Action dated October 16, 2003

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. ( Presently Amended) A PEM fuel cell usable in a reformat fuel stream containing diluted hydrogen fuel with CO as an impurity and with added air, comprising:  
a polymer electrolyte membrane having an electrocatalytic surface formed from an electrocatalyst mixed with the polymer and bonded on an anode side of the membrane; and  
an anode backing formed of a porous electrically conductive material and having a first surface abutting the electrocatalytic surface and a second surface facing away from the membrane, where the second surface has an oxidation catalyst layer effective to catalyze the oxidation of CO by oxygen present in the fuel stream where at least the layer of oxidation catalyst consists essentially of a single non-precious metal oxidation catalyst selected from the group consisting of Cu, Fe, Co, Tb, W, Mo, Sn, and oxides thereof.
- 2 (Original) A PEM fuel cell system according to Claim 1, where the electrocatalyst is selected from the group consisting of Pt and Pt/Ru alloy.
3. (Original) A PEM fuel cell system according to Claim 1, wherein the electrocatalyst is Pt.
4. (Original) A PEM fuel cell system according to Claim 1, wherein the layer of oxidation catalyst further includes a hydrophobic material.
5. Cancelled